Altronix®

T1SAK3F4D (Kit)

Access & Power Integration Solution for Salto

TR◻VE™

Altronix T1SAK3F4D kit consists of Trove1 enclosure, TSA1 Salto/Altronix backplane with one (1) 12VDC or 24VDC @ 6A power supply/charger, one (1) PTC access power controller, one dual input PTC power distribution module and one (1) voltage regulator. This kit also accommodates up to two (2) Salto CU42E0, CU4200 or CU4EB8 modules for up to four (4) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

salto ∧
INSPIRED ACCESS

T1SAK3F4D

Salto boards are not included

Key Features

- 12VDC or 24VDC power supply/charger
- Accommodates up to two (2) Salto CU42E0, CU4200 or CU4EB8 modules
- Convenient knockout configuration:
  - One (1) double knockout
    1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit)
  - Nine (9) double knockouts
    1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown

- Agency Listings:
  - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
    - UL: UL294 - Access Control System
    - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
  - CE European Conformity
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- Lifetime Warranty*

Altronix Power Supply/Chargers and Sub-Assemblies only

Accessories (order separately)

LINQ2 - Network Supervision
Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN
- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email

LINQ2

WM5, WM25, WM100 - Magnetic Cable Tie Mounts
Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively.
They accommodate standard zip ties or velcro straps.
These are ideal for wire management in our Trove series.

WM5

MM4, MM8, MM12, MM24 - Magnetic Mounting Solution
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/accessories in any metal enclosure or backplane.

Mounting Magnet

Specifications

Power Supply/Charger (eFlow 6NB):

Input

Voltage	120VAC, 60Hz, 3.5A max.
Input Fuse	5A/250V

Outputs

Voltage	12VDC or 24VDC selectable
Current	6A continuous max.
Auxiliary	Power-limited @ 1A (unswitched)
Other	Overvoltage protection. Filtered and regulated

Battery Charging

Capacity	12VDC/7AH (2 within enclosure)
	40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

Fire Alarm Disconnect

Supervised	Latching or non-latching
EOL	10K Resistor

Supervision

AC Failure	Form "C" contacts
Battery	Form "C" contacts

Low DC Power Shutdown

Shuts down DC output terminals if battery voltage drops below 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge

Indicators (LED)

Input	120VAC is present
DC Output	Powered

Dual Input Power Distribution Module (PDS8CB)

Input

Voltage	24VDC from eFlow6NB and12VDC from VR6
Input PTCs	9A

Outputs

Voltage	12VDC and/or 24VDC

Any of the eight (8) power outputs are selectable to follow power Input 1 or Input 2
Individual outputs may be set to OFF position for servicing

Output PTCs	2.5A

Indicators (LED)

DC Output	Eight (8) individual output LEDs
Green:	12VDC
Red:	24VDC

Voltage Regulator (VR6):

Input

Voltage	24VDC from eFlow6NB

Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Access Power Controller (ACM4CB):

Input

Voltage	24VDC from eFlow6NB
Input PTC	9A

Outputs

Voltage	24VDC

Four (4) independently controlled PTC outputs:
   a) Fail-Safe and/or Fail-Secure power outputs.
      Form "C" Relays rated 28VAC or VDC @ 2.5A
   b) Auxiliary power outputs (unswitched)
   c) Any combination of the above

Output PTCs	2.5A

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

T1SAK3F4D Kit:

Agency Listings

All components of this Trove kit are UL Listed sub-assemblies
Please refer to the corresponding Sub-Assembly Installation Guides for further information

CE	European Conformity

Physical and Environmental:

Dimensions (H x W x D)
   Enclosure:
   18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)
   Shipping:
   21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

Weight (approx.)

Product:	15.5 lb. (7.0 kg)
Shipping:	19.5 lb. (8.9 kg)

Temperature

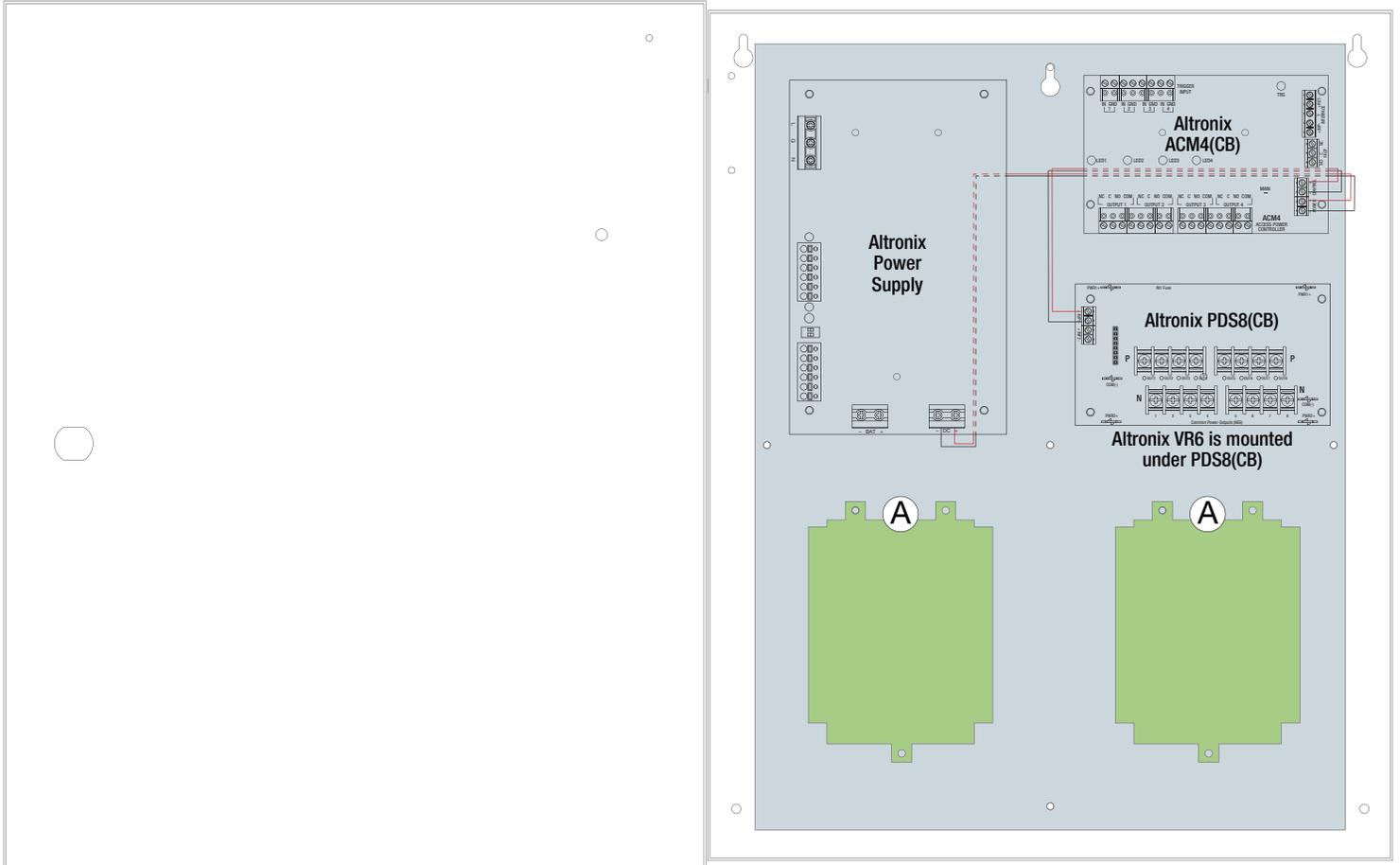|	
Operating	0ºC to 49ºC (32ºF to 120ºF)
Storage	− 20ºC to 70ºC (− 4ºF to 158ºF)
Relative Humidity	85% +/− 5%
BTU/Hr. (approx.):	12VDC: 40 BTU/Hr.
	24VDC: 77 BTU/Hr.

Access Controller Position Chart for the Following Models:

Salto	Pem Mounting
CU4200, CU42E0, CU4EB8	Ⓐ

Altronix
Power
Supply

Altronix
ACM4(CB)

ACM4
ACCESS POWER
CONTROLLER

Altronix PDS8(CB)

Altronix VR6 is mounted
under PDS8(CB)

Ⓐ   Ⓐ

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TROVE™

Dimensions and Drawing

Dimensions (H x W x D approximate)

18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)

14.5" (321.3mm)
7.25" (184.2mm)
1.45" (36.8mm)
⌀1.95" (49.5mm)

4.5" (114.3mm)
1.25" (31.8mm)
1.5" (38.1mm)
0.57" (14.5mm)
8.5" (215.9mm)
6.5" (165.1mm)

13.0" (330.2mm)
0.6" (15.2mm)
18.0" (457.2mm)
0.6" (15.2mm)
1.1" (27.9mm)

1.25" (31.8mm)
1.5" (38.1mm)
8.5" (215.9mm)
6.5" (165.1mm)

4.5" (114.3mm)
4.5" (114.3mm)
2.75" (69.9mm)
⌀1.115" (28.3mm)
1.36" (34.5mm)
1.25" (31.8mm)